

1 In a presently preferred embodiment of the invention,
2 presentation program 10 is written in a platform-independent
3 language so that presentation program 10 may be developed and
4 executed on a number of dislike computers executing dislike
5 operating systems. It is also desirable that computer program
6 10 present the operator with a uniform graphical user interface
7 across the various computers. While a presently preferred
8 embodiment of the program is written in the Java programming
9 language to thereby fulfill the above desirable characteristics,
10 computer program 10 could also be written in other computer
11 languages.

12 Due to the fact that computer program 10 operates computers
13 having multiple displays, in a presently preferred embodiment
14 when computer program 10 is started, a desired x position and y
15 position of the upper left hand corner of a particular display,
16 relative to the x, y coordinates of a composite raster area of
17 all the displays, is preferably specified as indicated at 12. A
18 plurality of separate copies of a single computer program such
19 as program 10 can be simultaneously executed on a single
20 computer system. Each executing "copy" of a program
21 corresponding to a display executes independently in its own
22 address space. This allows multiple instances of computer
23 program 10 to be executed on a single computer supporting

1 multiple displays such as computer 116 which supports computer
2 monitors or displays 132, 134, and 136.

3 It is well known that a plurality of display monitors
4 connected to a single computer system can map each individual
5 display monitor to a separate, non-overlapping rectangular
6 section of said computer's raster display area. For example,
7 four separate monitors can be arbitrarily mapped to four
8 separate, non-overlapping, rectangular sections as shown in FIG.
9 3. Each rectangular area in this example is 1280 pixels wide by
10 1024 pixels high. Monitor 1 is mapped to the raster area
11 representing by the upper left hand coordinates located at $x = 0$
12 and $y = 0$. Monitor 2 is mapped to the raster area represented
13 by the upper left hand coordinates located at $x = 0$ and $y =$
14 1024. Monitor 3 is mapped to the raster area represented by the
15 upper left hand coordinates located at $x = 0$ and $y = 2048$.
16 Monitor 4 is mapped to the raster area represented by the upper
17 left hand coordinates located at $x = 1280$ and $y = 0$. For
18 example, assume there is a total composite image display area of
19 $x = 1280$ by $y = 1024$, and the requirement is to match display
20 area to the raster area mapping of FIG. 3. A separate
21 simultaneous and independent "parallel" execution of program 10
22 can be mapped to a separate display monitor through
23 specification of the appropriate upper left hand raster area

1 coordinate as shown in FIG. 3. Expressed as a table:

2	<u>MONITOR</u>	<u>x,y, VALUES IN PROGRAM 10</u>
3	1	(0,0)
4	2	(0,1024)
5	3	(0,2048)
6	4	(1280,0)

7 Note that as is well known, a pixel is a single addressable
8 dot in the raster area that can be assigned a color.

9 Each instance of computer program 10 can therefore be
10 directed to display different images with different timing, for
11 instance, on each particular display 132, 134, and 136. That is
12 to say unlike or different display presentations appear on the
13 different computer monitors or displays. However, other means
14 for designating or separately controlling multiple displays on a
15 single program could also be utilized.

16 Computer program 10 may preferably provide a control window
17 at step 14 which allows the user to specify a scenario file.
18 The control window preferably has command menus and status
19 displays for this purpose. The scenario file is preferably a
20 simple text file, or other type of file, that specifies a list
21 of image graphics files, and/or sound files, and an associated
22 timing. The scenario file preferably specifies the location of
23 the file in some suitable means such that computer program 10